

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Vincent Chau
Application No.: Group No.: N/A
Filed: Herewith Examiner: N/A
For: HUMAN PROTEINS RESPONSIBLE FOR NEDDS ACTIVATION AND
CONJUGATION

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

List of Sections Forming Part of This Information Disclosure Statement

The following sections are being submitted for this Information Disclosure Statement:

1. ☒ Preliminary Statements
2. ☒ Forms PTO/SB/08A and 08B (substitute for Form PTO-1449) (5 pages)
- 3.. ☒ Identification of Prior Application in Which Listed Information Was Already Cited and for Which No Copies Are Submitted or Need Be Submitted

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Date: October 8, 2003

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Preliminary Statements

Applicants submit herewith patents, publications or other information, of which they are aware that they believe may be material to the examination of this application, and in respect of which, there may be a duty to disclose.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 C.F.R. section 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists.

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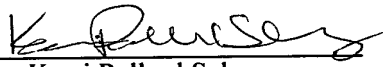
Identification of Prior Application in Which Listed Information Was Already Cited and for Which No Copies Are Submitted or Need Be Submitted

This application relies, under 35 U.S.C. section 120, on the earlier filing date of prior application Serial No.: 09/216,430, filed on December 18, 1998.

The following references were submitted to, and/or cited by, the Office in the prior application(s) and, therefore, are not required to be provided in this application. However, in the event additional copies are necessary, the undersigned will submit such copies upon request.

October 8, 2003

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Substitute for form 1449A/PTO

(use as many sheets as necessary)

Sheet	1	of	1
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Application Number

Filing Date	Herewith
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First Name of Inventor	Chau, Vincent
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Group Art Unit	TBA
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Examiner Name	TBA
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Attorney Docket Number	MPI97-057P1RCP1CN1M
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		Filing Date	Herewith
		First Named Inventor	Chau, Vincent
		Group Art Unit	TBA
		Examiner Name	TBA
		Attorney Docket Number	MPI97-057P1RCP1CN1M
Sheet	1	of	4

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include the name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and-or country where published.	T ²
	C1	Adams, M.D., et al. : Homo Sapiens cDNA Clone Similar to Ubiquitin-Activating Enzyme ; (1997) ; EMBEST Database Entry HSZZ89371, Accession Number AA384235, XP-002103411, See Sequence	
	C2	Altschul et al., Nucleic Acids Research 25(17):3389-3402 (1997)	
	C3	Attwood, et al., Comput. Chem 25(4):329-339 (2001)	
	C4	Chow et al., The Journal of Biological Chemistry 271(19):11339-11346 (1996)	
	C5	Clackson, T. P., Genetically Engineered Monoclonal Antibodies 30(S2):36-39 (1991)	
	C6	Gante J., Agnew chem.. Intro. Ed. Engl. 33:1699-1720 (1994)	
	C7	Hershko, et al., Annu. Rev. Biochem. 61:761-807 (1992)	
	C8	Hillier et al. : Homo Sapiens cDNA Clone Similar to Ubiquitin-Activating Enzyme ; (1997) ; EMBEST Database Entry HS1201636, Accession Number AA401865, XP-002103407, See Sequence	
	C9	Hillier et al. : Homo Sapiens cDNA Clone Similar to Ubiquitin-Activating Enzyme ; (1997) ; EMBEST Database Entry HS1201722, Accession Number AA401968, XP-002103408, See Sequence	
	C10	Horwell D.C., Bioorganic & Med. Chem. 4(10):1573-1576 (1996)	

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	C11	Hopkin K., The Journal of NIH Research 9:36-42 (1997)	
	C12	Jentsch, S., Annu. Rev. Genet. 26 :179-207 (1992)	
	C13	Jones et al., Nature 321 :522-525 (1986)	
	C13	Kamitani, T. et al., J. Bio. Chem. 272(22) :14001-14004 (1997)	
	C14	Kamitani, T., et al., J. Bio. Chem. 272(45):28557-28562 (1997)	
	C15	Loeb et al., The Journal of biological Chemistry 267(11):7806-7813 (1992)	
	C16	Kumar et al., Biochemical and Biophysical Research Communication 185(3):1155-1161 (1992)	
	C17	Kumar et al., Biochemical and Biophysical Research Communication 195(1):393-399 (1993)	
	C18	Leyser, et al., Arabidopsis Auxin-Resistance Gene AXR1 Encodes a Protein Related to Ubiquitin-Activatin enzyme E1 364:161-164 (1993)	

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				Application Number	
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				First Named Inventor	Chau, Vincent
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	C19	Liskamp, R.M.J., Recl. Trav. Chim. Pays-Bas 113:1-19 (1994)	
	C20	Marra, M., et al. : Mus Musculus cDNA Clone Similar to Ubiquitin-Conjugating Enzyme E2; (1977) ; EMBEST Database Entry AA671071, Accession Number AA671071, XP-002103412, See Sequence	
	C21	Marx, J. L., Science 229:455-456 (1985)	
	C22	Murray A., Cell 81:149-152 (1995)	
	C23	National Cancer Institute, Cancer Genome Anatomy Project (CGAP) : Homo Sapiens cDNA Clone Similar to Ubiquitin-Conjugating Enzyme E2 ; (1997) ; EMBEST Database Entry HSAA61836, Accession Number AA261836, XP-002103409, See Sequence	
	C24	National Cancer Institute, Cancer Genome Anatomy Project (CGAP) : Homo Sapiens cDNA Clone Similar to Ubiquitin-Conjugating Enzyme E2 ; (1997) ; EMBEST Database Entry HSAA577116, Accession Number AA577116, XP-002103410, See Sequence	
	C25	Osaka et al., Genes & Development 12:2263-2268 (1998)	
	C26	Okura et al., Jnl. Of Immunology:4277-4281 (1996)	
	C27	Ponting, C. P., Brief. Bioinform. 2(1):19-29 (2001)	

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		Group Art Unit		TBA	
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	C28	Riechmann et al., Nature 332:323-327 (1988)	
	C29	Rock et al., Cell 78:761-771 (1994)	
	C30	Rodwell, J.D., Engineering Monocloncal antibodies 342 :99-100 (1989)	
	C31	Scheffner et al., Cell 75:495-505 (1993)	
	C32	Seebach et al., Helvetica Chimica Acta 75 :913-934 (1992)	
	C33	Thompson et al., CLUSTAL W: Improving the Sensitivity of Progressive Multiple Sequence Alignment Through Sequence Weighting, Position-Specific Gap...22(22) :4673-4680 (1994)	
	C34	Townsley et al., Proc. Natl. Acad. Schi. 94 :2362-2367 (1997)	
	C35	Verhoeyen et al., Science 239 :1534-1536 (1988)	

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